

Listing of Claims

1-40. (canceled)

41. (previously presented): A method of providing an improved audio reproduction derived from an analog recording, the method comprising:

digitizing a wideband playback signal from an analog recording containing wow/flutter;

deriving, without use of a prescribed tone or time-code previously applied and intended to be indicative of timing, a reference signal from within the digitized wideband playback signal, the reference signal being an extraneous artifact within the recording;

generating a modulated carrier by at least one of stabilizing, idealizing, and demodulating the reference signal;

deducing deviations between the modulated carrier and a high-precision clock signal or sampling rate

adjusting timing and pitch in the digitized wideband playback signal in response to the deduced deviations, wherein such adjusting comprises establishing a change in a period of the reference signal, then conforming the timing and pitch of the digitized wideband playback signal to the modulated carrier

thereby producing a wideband playback signal substantially corrected for distortion corresponding to said wow/flutter.

42. (previously presented): The method of claim 41, wherein the reference signal is generated by identifying a reference sound entity which can be derived from the

analog recording; and wherein the modulated carrier is generated from a known or preestablished pattern within the reference sound entity.

43. (previously presented): The method of claim 41, further comprising: determining a set of data reflecting at least one instantaneous deviation between a nominal intermediate frequency and the reference signal; and generating a modulated carrier that reflects the at least one instantaneous deviation.

44. (canceled)

45. (canceled)

46. (previously presented): The method of claim 41, wherein the reference signal is derived from a bias signal present in the analog recording .

47. (previously presented): The method of claim 41, further comprising:

extracting a reference sound element which can be derived from the analog recording;

determining a deviation between a high-precision clock signal or sampling rate and a pre-established sound pattern for the reference sound element; and

adjusting sound frequencies and timing in the digital domain in accordance with the deviation.

48. (previously presented): The method of claim 41, further comprising:

extracting an existing carrier which can be derived from the analog recording;

determining a deviation between a high-precision clock signal or sampling rate and a corresponding representation of the carrier within the analog recording; and

adjusting the digitized wideband playback signal according to the deviation.

49. (canceled)

50. (canceled)

51. (previously presented): An electronically readable storage medium, other than a transitory signal, containing data representing digital audio information which has been generated by the method of claim 41.

52. (previously presented): The electronically readable storage medium of claim 51, wherein the medium is an optical disk, a memory card, or a digital audio tape cassette.

53. (previously presented): The electronically readable storage medium of claim 52, further comprising packaging displaying artwork and text which identifies the source of the digital audio information and includes a statement to the effect that the original recording has been digitally remastered or digitally enhanced.